



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
ROBIN B INGRAM
Machine Id
[ROBIN B INGRAM] 004 617985-4
Component
Port Reduction Gear
Fluid
CHEVRON MEROPA 320 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW06192947	MW06159844	MW06159841
Sample Date		Client Info		28 May 2024	01 Apr 2024	29 Feb 2024
Machine Age	hrs	Client Info		65778	64747	63946
Oil Age	hrs	Client Info		65778	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	23	70	68
Chromium	ppm	ASTM D5185m	>10	1	1	1
Nickel	ppm	ASTM D5185m	>10	<1	2	2
Titanium	ppm	ASTM D5185m		<1	2	2
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	6	6
Lead	ppm	ASTM D5185m	>100	3	2	2
Copper	ppm	ASTM D5185m	>50	14	6	6
Tin	ppm	ASTM D5185m	>10	2	1	2
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

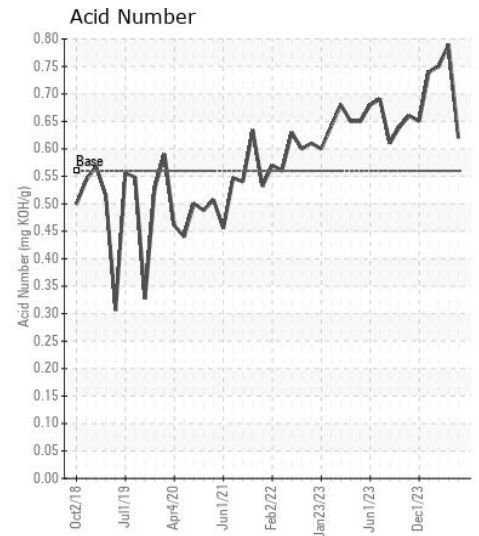
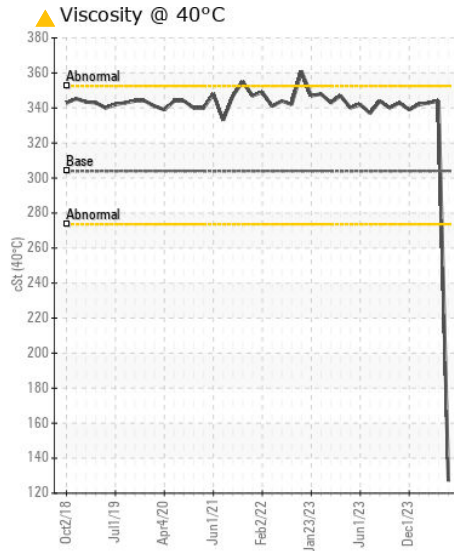
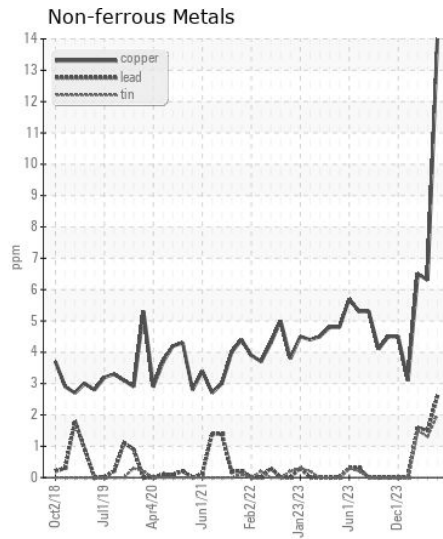
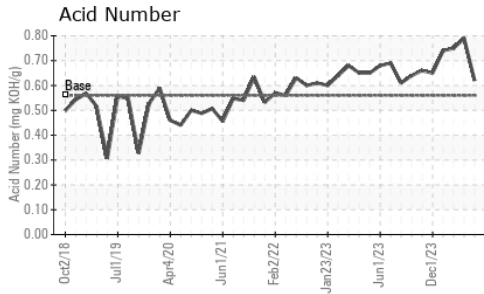
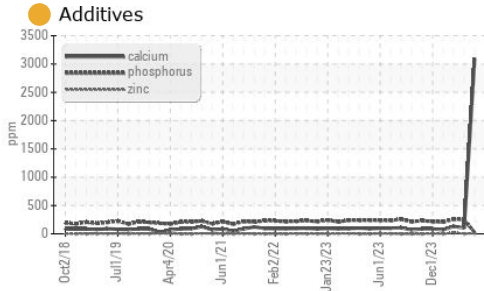
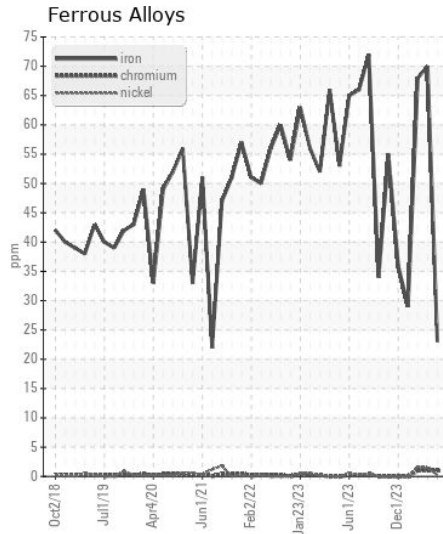
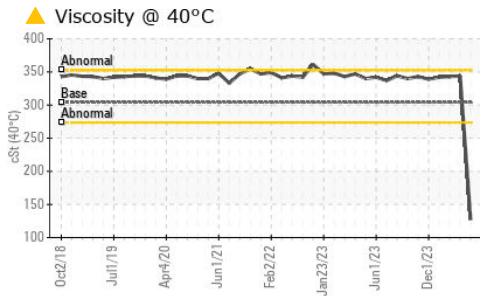
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	6	6	6
Potassium	ppm	ASTM D5185m	>20	3	3	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		25	4	4
Boron	ppm	ASTM D5185m	20	39	2	6
Barium	ppm	ASTM D5185m		0	16	16
Molybdenum	ppm	ASTM D5185m	0	43	9	10
Manganese	ppm	ASTM D5185m		1	2	2
Magnesium	ppm	ASTM D5185m		15	3	13
Calcium	ppm	ASTM D5185m	25	3092	103	133
Phosphorus	ppm	ASTM D5185m	235	24	250	255
Zinc	ppm	ASTM D5185m		6	4	19
Sulfur	ppm	ASTM D5185m		2211	7423	7152
Acid Number (AN)	mg KOH/g	ASTM D8045	0.56	0.62	0.79	0.75
Visc @ 40°C	cSt	ASTM D445	304	127	344	343



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW06192947

Lab Number : 06192947

Unique Number : 11049699

Test Package : MAR 2

Received : 28 May 2024

Tested : 30 May 2024

Diagnosed : 30 May 2024 - Angela Borella

INGRAM BARGE

900 S 3RD ST

PADUCAH, KY

US 42003

Contact: DALE MORIE

dale.morie@ingrambarga.com

T: (270)415-4467

F: (615)695-3697

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)